

Andrew Freistein 10/804,505

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research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 12:31:52 ON 07 JUN 2006

FILE 'REGISTRY' ENTERED AT 12:32:04 ON 07 JUN 2006  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 JUN 2006 HIGHEST RN 887000-62-6  
DICTIONARY FILE UPDATES: 6 JUN 2006 HIGHEST RN 887000-62-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

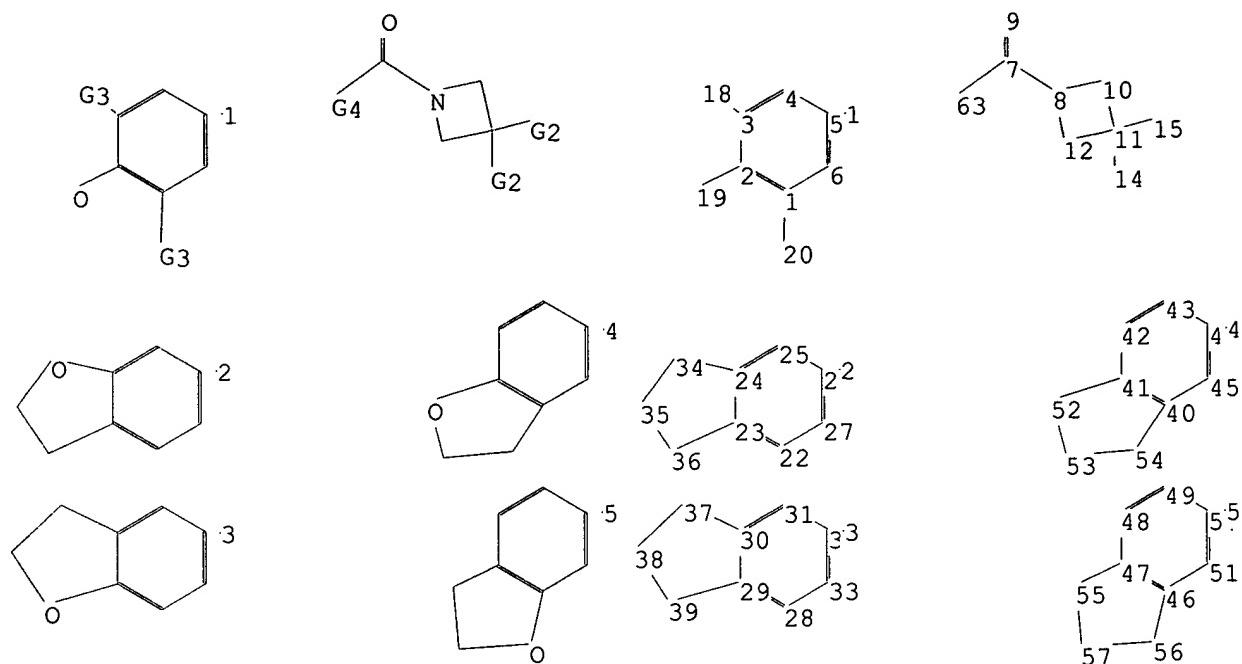
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*****  
* The CA roles and document type information have been removed from  
* the IDE default display format and the ED field has been added,  
* effective March 20, 2005. A new display format, IDERL, is now  
* available and contains the CA role and document type information.  
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/reqprops.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10804505\j.str



chain nodes :

7 9 14 15 18 19 20 63

ring nodes :

1	2	3	4	5	6	8	10	11	12	22	23	24	25	26	27	28	29	30	31	32	33	34
35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55		
56	57																					

chain bonds :

1-20 2-19 3-18 7-9 7-8 7-63 11-14 11-15

ring bonds :

1-2	1-6	2-3	3-4	4-5	5-6	8-10	8-12	10-11	11-12	22-23	22-27	23-24	23-36
24-25	24-34	25-26	26-27	28-29	28-33	29-30	29-39	30-31	30-37	31-32	32-33		
34-35	35-36	37-38	38-39	40-41	40-45	40-54	41-42	41-52	42-43	43-44	44-45		
46-47	46-51	46-56	47-48	47-55	48-49	49-50	50-51	52-53	53-54	55-57	56-57		

exact/norm bonds :

1-20	2-19	3-18	7-9	7-8	7-63	8-10	8-12	10-11	11-12	11-14	11-15	23-36
24-34	29-39	30-37	34-35	35-36	37-38	38-39	40-54	41-52	46-56	47-55	52-53	
53-54	55-57	56-57										

normalized bonds :

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1-2 1-6 2-3 3-4 4-5 5-6 22-23 22-27 23-24 24-25 25-26 26-27 28-29  
28-33 29-30 30-31 31-32 32-33 40-41 40-45 41-42 42-43 43-44 44-45 46-47  
46-51 47-48 48-49 49-50 50-51

G2:H,Ak,X,OH,MeO

G3:H,CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

G4:[\*1],[\*2],[\*3],[\*4],[\*5]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:Atom  
11:Atom 12:Atom 14:CLASS 15:CLASS 18:CLASS 19:CLASS 20:CLASS 22:CLASS  
23:CLASS 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom  
32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom  
41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:Atom 49:Atom  
50:Atom 51:Atom 52:Atom 53:Atom 54:Atom 55:Atom 56:Atom 57:Atom 63:CLASS

L1 STRUCTURE UPLOADED

=> d  
L1 HAS NO ANSWERS  
L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s 11  
SAMPLE SEARCH INITIATED 12:32:41 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 4442 TO ITERATE

45.0% PROCESSED 2000 ITERATIONS 3 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 84844 TO 92836  
PROJECTED ANSWERS: 3 TO 287

L2 3 SEA SSS SAM L1

=> s 11 full  
FULL SEARCH INITIATED 12:32:45 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 88887 TO ITERATE

100.0% PROCESSED 88887 ITERATIONS 61 ANSWERS  
SEARCH TIME: 00.00.04

L3 61 SEA SSS FUL L1

=> file hcaplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION

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FULL ESTIMATED COST 166.94 167.15

FILE 'HCAPLUS' ENTERED AT 12:32:52 ON 07 JUN 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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FILE COVERS 1907 - 7 Jun 2006 VOL 144 ISS 24  
FILE LAST UPDATED: 6 Jun 2006 (20060606/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13  
L4 23 L3

=> d 1-5

L4 ANSWER 1 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:364491 HCAPLUS  
DN 144:412495  
TI Preparation of phenoxybenzoylaminopyrazoles as glucokinase (GLK) activators.  
IN Johnstone, Craig; McKerrecher, Darren; Pike, Kurt Gordon; Waring, Michael James  
PA AstraZeneca AB, Swed.; AstraZeneca UK Limited  
SO PCT Int. Appl., 95 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006040529	A1	20060420	WO 2005-GB3890	20051011
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRAI	GB 2004-23044	A	20041016		

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RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:58277 HCAPLUS  
DN 144:292183  
TI Competitive endo- and exo-cyclic C-N fission in the hydrolysis of N-aroyl  
β-lactams  
AU Tsang, Wing Y.; Ahmed, Naveed; Hemming, Karl; Page, Michael I.  
CS Department of Chemical and Biological Sciences, The University of  
Huddersfield, Queensgate, Huddersfield, HD1 3DH, UK  
SO Canadian Journal of Chemistry (2005), 83(9), 1432-1439  
CODEN: CJCHAG; ISSN: 0008-4042  
PB National Research Council of Canada  
DT Journal  
LA English  
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:1328584 HCAPLUS  
DN 144:69853  
TI Preparation of N-heteroaryl aryloxy-substituted benzamides for use as  
glucokinase (glk) activators in the treatment of diabetes  
IN Johnstone, Craig; McKerrecher, Darren; Pike, Kurt Gordon; Waring, Michael  
James  
PA AstraZeneca AB, Swed.; AstraZeneca UK Limited  
SO PCT Int. Appl., 208 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005121110	A1	20051222	WO 2005-GB2166	20050601
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	GB 2004-12602	A	20040605		
	GB 2004-23041	A	20041016		
	GB 2005-2961	A	20050212		

OS MARPAT 144:69853

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:1232819 HCAPLUS  
DN 144:102803  
TI Different Transition-State Structures for the Reactions of β-Lactams  
and Analogous β-Sultams with Serine β-Lactamases  
AU Tsang, Wing Y.; Ahmed, Naveed; Hinchliffe, Paul S.; Wood, J. Matthew;

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Harding, Lindsay P.; Laws, Andrew P.; Page, Michael I.  
CS Department of Chemical and Biological Sciences, University of  
Huddersfield, Queensgate /Huddersfield, HD1 3DH, USA  
SO Journal of the American Chemical Society (2005), 127(49), 17556-17564  
CODEN: JACSAT; ISSN: 0002-7863  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:962231 HCAPLUS  
DN 143:266954  
TI Preparation of N-heteroaryl aryloxy-substituted benzamides as glucokinase activating agents  
IN Johnstone, Craig; McKerrecher, Darren; Pike, Kurt Gordon  
PA AstraZeneca AB, Swed.; AstraZeneca UK Limited  
SO PCT Int. Appl., 117 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005080360	A1	20050901	WO 2005-GB562	20050215
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI GB 2004-3595	A	20040218		
GB 2004-13388	A	20040616		

OS MARPAT 143:266954  
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 5-8

L4 ANSWER 5 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:962231 HCAPLUS  
DN 143:266954  
TI Preparation of N-heteroaryl aryloxy-substituted benzamides as glucokinase activating agents  
IN Johnstone, Craig; McKerrecher, Darren; Pike, Kurt Gordon  
PA AstraZeneca AB, Swed.; AstraZeneca UK Limited  
SO PCT Int. Appl., 117 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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Andrew Freistein 10/804,505

PI WO 2005080360 A1 20050901 WO 2005-GB562 20050215  
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,  
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,  
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,  
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
MR, NE, SN, TD, TG

PRAI GB 2004-3595 A 20040218  
GB 2004-13388 A 20040616

OS MARPAT 143:266954

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:962230 HCAPLUS  
DN 143:266914  
TI Preparation of N-heteroaryl aryloxy-substituted benzamides as glucokinase activating agents  
IN Johnstone, Craig; McKerrecher, Darren; Pike, Kurt Gordon  
PA Astrazeneca AB, Swed.; Astrazeneca UK Limited  
SO PCT Int. Appl., 138 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005080359	A1	20050901	WO 2005-GB545	20050215
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI GB 2004-3593 A 20040218  
GB 2004-13386 A 20040616  
GB 2004-23039 A 20041016

OS MARPAT 143:266914

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:823313 HCAPLUS  
DN 143:229708  
TI A preparation of azetidine derivatives, useful as COX-1/COX-2 inhibitors  
IN Altisen, Rosa Cuberes; Constansa, Jordi Frigola; Alvarez, Mathieu Ines  
PA Spain  
SO U.S. Pat. Appl. Publ., 21 pp.  
CODEN: USXXCO  
DT Patent

Andrew Freistein 10/804,505

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005182041	A1	20050818	US 2004-804505	20040319
	ES 2244313	A1	20051201	ES 2004-363	20040216
	WO 2005077896	A1	20050825	WO 2005-EP1657	20050216
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	ES 2004-363	A	20040216		
	US 2004-804505	A	20040319		
OS	MARPAT 143:229708				

L4 ANSWER 8 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN

AN 2004:310829 HCPLUS

DN 140:303552

TI Preparation of  $\beta$ -amino acid derivatives as inhibitors of matrix metalloproteases and TNF- $\alpha$

IN Duan, Jingwu; King, Bryan W.; Decicco, Carl; Maduskuie, Thomas P.; Voss, Mathew E.

PA USA

SO U.S. Pat. Appl. Publ., 150 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004072802	A1	20040415	US 2002-267207	20021009
PRAI	US 2002-267207		20021009		
OS	MARPAT 140:303552				

=> d ibib hitstr 8-23

L4 ANSWER 8 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:310829 HCPLUS

DOCUMENT NUMBER: 140:303552

TITLE: Preparation of  $\beta$ -amino acid derivatives as inhibitors of matrix metalloproteases and TNF- $\alpha$

INVENTOR(S): Duan, Jingwu; King, Bryan W.; Decicco, Carl; Maduskuie, Thomas P.; Voss, Mathew E.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 150 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

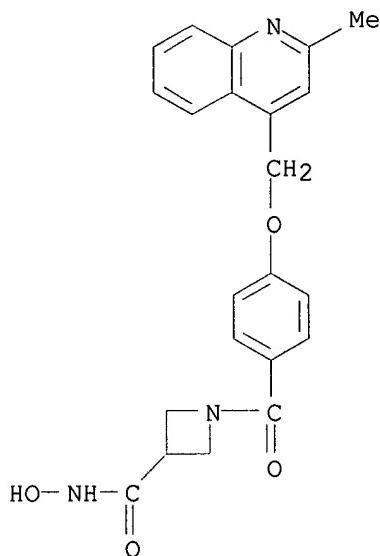
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

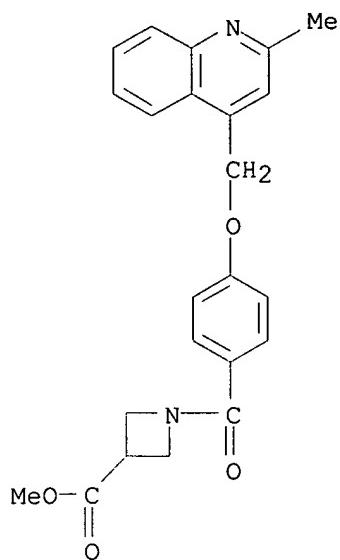
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2004072802 A1 20040415 US 2002-267207 20021009  
PRIORITY APPLN. INFO.: OTHER SOURCE(S): MARPAT 140:303552 US 2002-267207 20021009  
IT 362697-32-3P RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)  
(preparation of  $\beta$ -amino acid derivs. as inhibitors of matrix  
metalloproteases and TNF- $\alpha$ )  
RN 362697-32-3 HCAPLUS  
CN 3-Azetidinecarboxamide, N-hydroxy-1-[4-[(2-methyl-4-  
quinolinyl)methoxy]benzoyl]- (9CI) (CA INDEX NAME)



IT 362703-18-2P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of  $\beta$ -amino acid derivs. as inhibitors of matrix  
metalloproteases and TNF- $\alpha$ )  
RN 362703-18-2 HCAPLUS  
CN 3-Azetidinecarboxylic acid, 1-[4-[(2-methyl-4-quinolinyl)methoxy]benzoyl]-  
, methyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 9 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2004:60463 HCPLUS  
 DOCUMENT NUMBER: 140:111265  
 TITLE: Preparation of azetidinecarboxylic acid and pyrrolidinecarboxylic acid N-hydroxyamide derivatives as antibacterial agents  
 INVENTOR(S): Raju, Bore G.; Odowd, Hardwin; Gao, Hongwu; Patel, Dinesh V.; Trias, Joaquim  
 PATENT ASSIGNEE(S): Vicuron Pharmaceuticals, Inc., USA  
 SOURCE: PCT Int. Appl., 172 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004007444	A2	20040122	WO 2003-US21838	20030711
WO 2004007444	A3	20040910		
W: AE, AG, AL, AM, AT, AU, AZ, CO, CR, CU, CZ, DE, DK, DM, GM, HR, HU, ID, IL, IN, IS, LS, LT, LU, LV, MA, MD, MG, PG, PH, PL, PT, RO, RU, SC, TR, TT, TZ, UA, UG, US, UZ,	BA, BB, BG, BR, BY, BZ, CA, CH, CN, DZ, EC, EE, ES, FI, GB, GD, GE, GH, JP, KE, KG, KP, KR, KZ, LC, LK, LR, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, SD, SE, SG, SK, SL, SY, TJ, TM, TN, VC, VN, YU, ZA, ZM, ZW			
RW: GH, GM, KE, LS, MW, MZ, SD, BF, BJ, CF, CG, CI, CM, GA,	SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,			
CA 2492035	AA	20040115	CA 2003-2492035	20030711
AU 2003267991	A1	20040202	AU 2003-267991	20030711
EP 1539744	A2	20050615	EP 2003-748939	20030711
R: AT, BE, CH, DE, DK, ES, FR, IE, SI, LT, LV, FI, RO, MK,	GB, GR, IT, LI, LU, NL, SE, MC, PT, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2005536510	T2	20051202	JP 2004-521744	20030711

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PRIORITY APPLN. INFO.:

US 2002-394862P P 20020711  
WO 2003-US21838 W 20030711

OTHER SOURCE(S): MARPAT 140:111265

IT 647856-15-3P, (R)-1-(4-Methoxy-3,5-dipropylbenzoyl)azetidine-2-carboxylic acid hydroxyamide 647856-18-6P, (R)-1-(4-Methoxy-3-propylbenzoyl)azetidine-2-carboxylic acid hydroxyamide

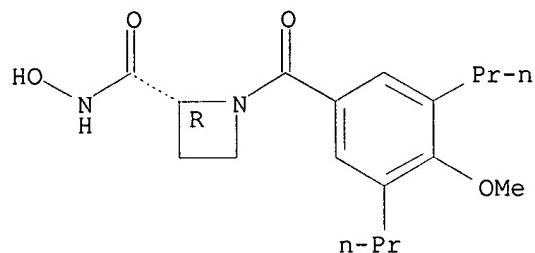
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(antibacterial agent; preparation of azetidinecarboxylic acid and pyrrolidinecarboxylic acid N-hydroxyamide derivs. as antibacterial agents)

RN 647856-15-3 HCPLUS

CN 2-Azetidinecarboxamide, N-hydroxy-1-(4-methoxy-3,5-dipropylbenzoyl)-, (2R)- (9CI) (CA INDEX NAME)

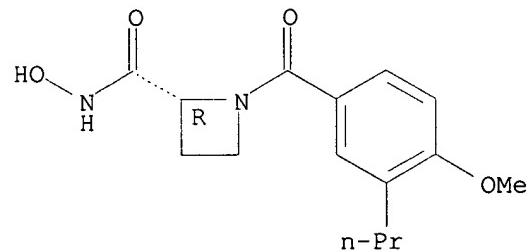
Absolute stereochemistry.



RN 647856-18-6 HCPLUS

CN 2-Azetidinecarboxamide, N-hydroxy-1-(4-methoxy-3-propylbenzoyl)-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 10 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:887103 HCPLUS

DOCUMENT NUMBER: 140:93653

TITLE: An Evaluation of Amide Group Planarity in 7-Azabicyclo[2.2.1]heptane Amides. Low Amide Bond Rotation Barrier in Solution

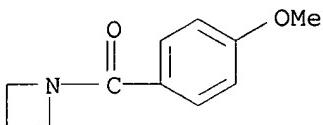
AUTHOR(S): Otani, Yuko; Nagae, Osamu; Naruse, Yuji; Inagaki, Satoshi; Ohno, Masashi; Yamaguchi, Kentaro; Yamamoto,

Gaku; Uchiyama, Masanobu; Ohwada, Tomohiko

CORPORATE SOURCE: Graduate School of Pharmaceutical Sciences, The University of Tokyo, Bunkyo, Tokyo, 113-0033, Japan

SOURCE: Journal of the American Chemical Society (2003), 125(49), 15191-15199

CODEN: JACSAT; ISSN: 0002-7863  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 140:93653  
 IT 643026-89-5P  
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)  
 (evaluation of amide group planarity in azabicycloheptane amides)  
 RN 643026-89-5 HCPLUS  
 CN Azetidine, 1-(4-methoxybenzoyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 72 THERE ARE 72 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2001:713343 HCPLUS  
 DOCUMENT NUMBER: 135:272894  
 TITLE: Preparation of  $\beta$ -amino acid derivatives as inhibitors of matrix metalloproteases and TNF- $\alpha$   
 INVENTOR(S): Duan, Jingwu; King, Bryan W.; Decicco, Carl; Maduskuie, Thomas P., Jr.; Voss, Matthew E.  
 PATENT ASSIGNEE(S): Dupont Pharmaceuticals Company, USA  
 SOURCE: PCT Int. Appl., 483 pp.  
 CODEN: PIIXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070734	A2	20010927	WO 2001-US8336	20010315
WO 2001070734	A3	20020314		
W: AT, AU, BR, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, HU, IL, IN, JP, KR, LT, LU, LV, NZ, PL, PT, RO, SE, SG, SI, SK, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
CA 2400168	AA	20010927	CA 2001-2400168	20010315
AU 2001050850	A5	20011003	AU 2001-50850	20010315
EP 1263756	A2	20021211	EP 2001-924171	20010315
EP 1263756	B1	20040225		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR				
BR 2001009469	A	20030429	BR 2001-9469	20010315
JP 2003528097	T2	20030924	JP 2001-568935	20010315
AT 260272	E	20040315	AT 2001-924171	20010315
NZ 521245	A	20040430	NZ 2001-521245	20010315
ES 2215893	T3	20041016	ES 2001-1924171	20010315
US 2002013341	A1	20020131	US 2001-811116	20010316

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US 6495565	B2	20021217	HK 2003-101437	20030226
HK 1049334	A1	20040716	US 2000-190183P	P 20000317
PRIORITY APPLN. INFO.:			US 2000-235467P	P 20000926
			US 2000-252062P	P 20001120
			WO 2001-US8336	W 20010315

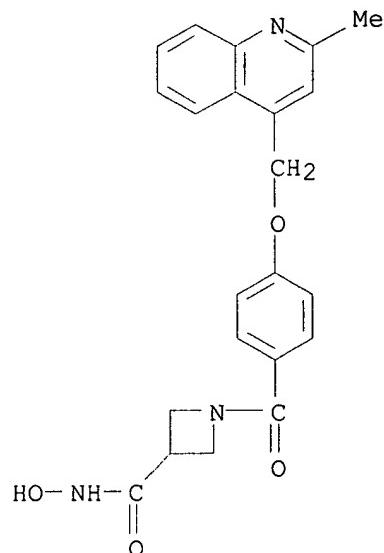
OTHER SOURCE(S): MARPAT 135:272894

IT 362697-32-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of  $\beta$ -amino acid derivs. as inhibitors of matrix metalloproteases and TNF- $\alpha$ )

RN 362697-32-3 HCPLUS

CN 3-Azetidinecarboxamide, N-hydroxy-1-[4-[(2-methyl-4-quinolinyl)methoxy]benzoyl]- (9CI) (CA INDEX NAME)

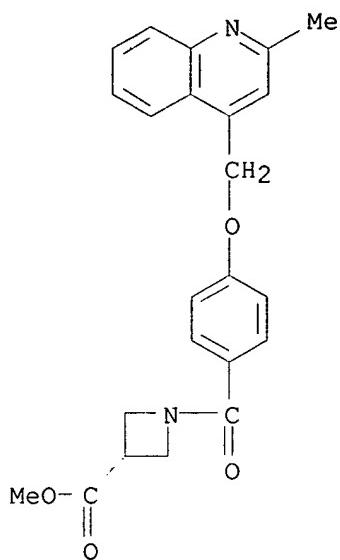


IT 362703-18-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of  $\beta$ -amino acid derivs. as inhibitors of matrix metalloproteases and TNF- $\alpha$ )

RN 362703-18-2 HCPLUS

CN 3-Azetidinecarboxylic acid, 1-[4-[(2-methyl-4-quinolinyl)methoxy]benzoyl]-, methyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 12 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:210150 HCPLUS

DOCUMENT NUMBER: 132:251067

TITLE: Novel amidine derivatives, their preparation and application as inhibitors of NO synthase and lipid peroxidation, and pharmaceutical compositions containing them

INVENTOR(S): Avuin, Serge; Chabrier de Lassauniere, Pierre-Etienne; Harnett, Jeremiah; Pons, Dominique; Ulibarri, Gerard

PATENT ASSIGNEE(S): Societe de Conseils de Recherches et d'Applications Scientifiques (S.C.R.A.S., Fr.

SOURCE: PCT Int. Appl., 119 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000017190	A2	20000330	WO 1999-FR2250	19990922
WO 2000017190	A3	20001026		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2783519	A1	20000324	FR 1998-11868	19980923
FR 2783519	B1	20030124		
CA 2344224	AA	20000330	CA 1999-2344224	19990922
AU 9956314	A1	20000410	AU 1999-56314	19990922
AU 766373	B2	20031016		
BR 9913904	A	20010703	BR 1999-13904	19990922

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EP 1115719	A2	20010718	EP 1999-943024	19990922
EP 1115719	B1	20030305		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002526493	T2	20020820	JP 2000-574099	19990922
AT 233750	E	20030315	AT 1999-943024	19990922
EP 1318149	A1	20030611	EP 2002-26170	19990922
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
PT 1115719	T	20030731	PT 1999-943024	19990922
NZ 511189	A	20030926	NZ 1999-511189	19990922
ES 2194501	T3	20031116	ES 1999-943024	19990922
RU 2238939	C2	20041027	RU 2001-111022	19990922
IL 141998	A1	20050925	IL 1999-141998	19990922
US 6653312	B1	20031125	US 2001-787467	20010316
NO 2001001479	A	20010518	NO 2001-1479	20010322
ZA 2001003204	A	20020919	ZA 2001-3204	20010419
HK 1042486	A1	20050225	HK 2002-103892	20020524
US 2005261269	A1	20051124	US 2003-662183	20030912
US 2006084667	A1	20060420	US 2005-250783	20051014
PRIORITY APPLN. INFO.:			FR 1998-11868	A 19980923
			EP 1999-943024	A3 19990922
			WO 1999-FR2250	W 19990922
			US 2001-787467	A3 20010316
			US 2003-662183	A3 20030912

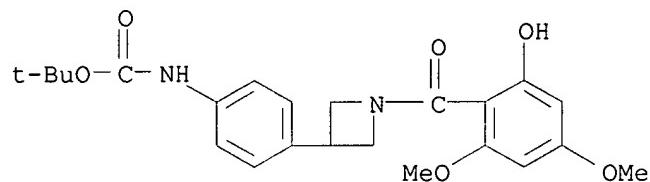
OTHER SOURCE(S): MARPAT 132:251067

IT 262614-42-6P 262614-43-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(intermediate; preparation of amidine derivs. as inhibitors of NO synthase  
and/or lipid peroxidn.)

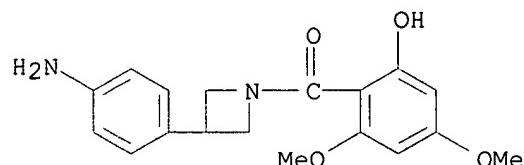
RN 262614-42-6 HCPLUS

CN Carbamic acid, [4-[1-(2-hydroxy-4,6-dimethoxybenzoyl)-3-azetidinyl]phenyl]-  
, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 262614-43-7 HCPLUS

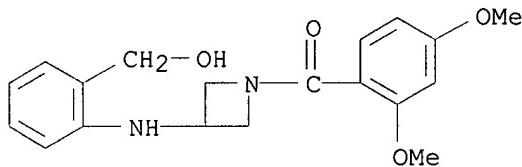
CN Azetidine, 3-(4-aminophenyl)-1-(2-hydroxy-4,6-dimethoxybenzoyl)- (9CI)  
(CA INDEX NAME)



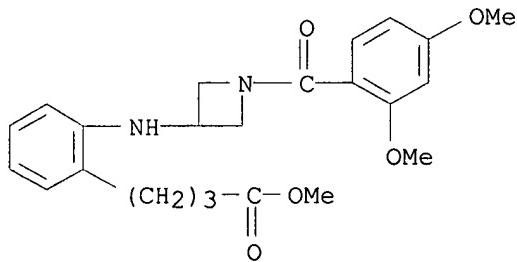
Andrew Freistein 10/804,505

ACCESSION NUMBER: 1997:613831 HCAPLUS  
DOCUMENT NUMBER: 127:278203  
TITLE: Benzoxazinone and benzopyrimidinone piperidinyl tocolytic oxytocin receptor antagonists  
INVENTOR(S): Bock, Mark G.; Evans, Ben E.; Williams, Peter D.; Freidinger, Roger M.; Pettibone, Douglas J.; Hobbs, Doug W.; Anderson, Paul S.  
PATENT ASSIGNEE(S): Merck and Co., Inc., USA  
SOURCE: U.S., 140 pp., Cont.-in-part of U.S. Ser. No. 92,840, abandoned.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5665719	A	19970909	US 1995-470693	19950606
PRIORITY APPLN. INFO.:			US 1993-92840	B2 19930716
OTHER SOURCE(S): MARPAT	127:278203			
IT 162045-63-8P 162045-66-1P				
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
(intermediate; preparation of benzoxazinone and benzopyrimidinone derivs. as oxytocin and vasopressin receptor antagonists)				
RN 162045-63-8 HCAPLUS				
CN 3-Azetidinamine, 1-(2,4-dimethoxybenzoyl)-N-[2-(hydroxymethyl)phenyl]-(9CI) (CA INDEX NAME)				



RN 162045-66-1 HCAPLUS  
CN Benzenebutanoic acid, 2-[[1-(2,4-dimethoxybenzoyl)-3-azetidinyl]amino]methyl ester (9CI) (CA INDEX NAME)



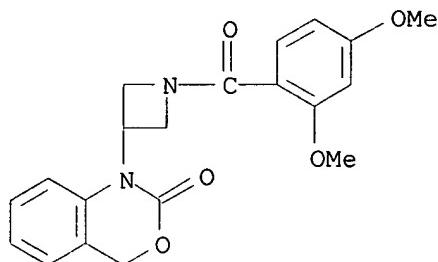
IT 162042-77-5P 162042-79-7P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of benzoxazinone and benzopyrimidinone derivs. as oxytocin and

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vasopressin receptor antagonists)

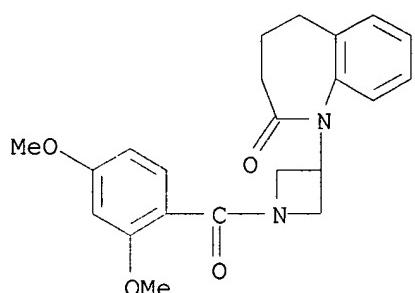
RN 162042-77-5 HCPLUS

CN Azetidine, 1-(2,4-dimethoxybenzoyl)-3-(2-oxo-2H-3,1-benzoxazin-1(4H)-yl)-(9CI) (CA INDEX NAME)



RN 162042-79-7 HCPLUS

CN Azetidine, 1-(2,4-dimethoxybenzoyl)-3-(2,3,4,5-tetrahydro-2-oxo-1H-1-benzazepin-1-yl)-(9CI) (CA INDEX NAME)



L4 ANSWER 14 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1996:513507 HCPLUS

DOCUMENT NUMBER: 125:131668

TITLE: 2-Azetidinone Cholesterol Absorption Inhibitors:  
Structure-Activity Relationships on the Heterocyclic  
Nucleus

AUTHOR(S): Clader, John W.; Burnett, Duane A.; Caplen, Mary Ann;  
Domalski, Martin S.; Dugar, Sundeep; Vaccaro, Wayne;  
Sher, Rosy; Browne, Margaret E.; Zhao, Hongrong; et  
al.

CORPORATE SOURCE: Schering-Plough Research Institute, Kenilworth, NJ,  
07033-0539, USA

SOURCE: Journal of Medicinal Chemistry (1996), 39(19),  
3684-3693

PUBLISHER: CODEN: JMCMAR; ISSN: 0022-2623  
American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

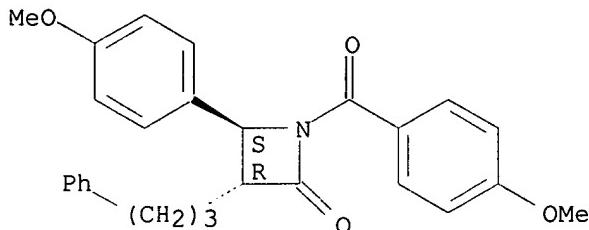
IT 179763-35-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(structure-activity relations of azetidinone cholesterol absorption inhibitors)

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RN 179763-35-0 HCAPLUS  
CN 2-Azetidinone, 1-(4-methoxybenzoyl)-4-(4-methoxyphenyl)-3-(3-phenylpropyl)-  
, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L4 ANSWER 15 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:954289 HCAPLUS

DOCUMENT NUMBER: 124:116909

TITLE: Simple and condensed  $\beta$ -lactams. Part 23.  
Synthesis of some compounds related to the monobactams, carrying non-acylamino substituents in position 3 and various heterocyclyl or heterocyclylmethyl substituents in position 4 of the  $\beta$ -lactam ring

AUTHOR(S): Fetter, Jozsef; Bertha, Ferenc; Czuppon, Tibor;  
Kajtar-Peredy, Maria; Lempert, Karoly

CORPORATE SOURCE: Dep. Org. Chem., Tech. Univ. Budapest, Budapest,  
H-1521, Hung.

SOURCE: Journal of Chemical Research, Synopses (1995), (11),  
444-5

PUBLISHER: Royal Society of Chemistry  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 124:116909

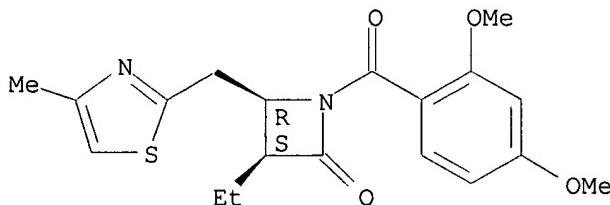
IT 172698-00-9P

RL: BYP (Byproduct); PREP (Preparation)  
(synthesis of some compds. related to the monobactams and their antimicrobiol. activity)

RN 172698-00-9 HCAPLUS

CN 2-Azetidinone, 1-(2,4-dimethoxybenzoyl)-3-ethyl-4-[(4-methyl-2-thiazolyl)methyl]-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L4 ANSWER 16 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:470323 HCAPLUS

DOCUMENT NUMBER: 123:276051

TITLE: Benzoxazinone and benzopyrimidinone piperidinyl  
 tocolytic oxytocin receptor antagonists  
 INVENTOR(S): Bock, Mark G.; Evans, Ben E.; Hobbs, Doug W.;  
 Williams, Peter D.; Anderson, Paul S.; Freidinger,  
 Roger M.; Pettibone, Douglas J.  
 PATENT ASSIGNEE(S): Merck and Co., Inc., USA  
 SOURCE: PCT Int. Appl., 385 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9502405	A1	19950126	WO 1994-US7784	19940714
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KE, KG, KR, KZ, LK, LT, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT, UA, US, UZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2166975	AA	19950126	CA 1994-2166975	19940714
CA 2166975	C	20050405		
AU 9475132	A1	19950213	AU 1994-75132	19940714
AU 691829	B2	19980528		
EP 714299	A1	19960605	EP 1994-925092	19940714
EP 714299	B1	20020424		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
JP 09500134	T2	19970107	JP 1994-504656	19940714
AT 216580	E	20020515	AT 1994-925092	19940714
PRIORITY APPLN. INFO.:			US 1993-92840	A 19930716
			WO 1994-US7784	W 19940714

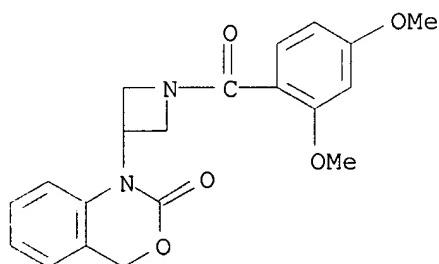
OTHER SOURCE(S): MARPAT 123:276051

IT 162042-77-5P 162042-79-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(benzoxazinone and benzopyrimidinone piperidinyl tocolytic oxytocin receptor antagonists)

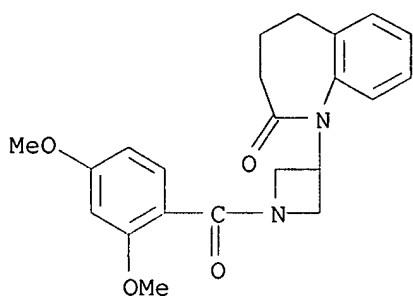
RN 162042-77-5 HCPLUS

CN Azetidine, 1-(2,4-dimethoxybenzoyl)-3-(2-oxo-2H-3,1-benzoxazin-1(4H)-yl)-(9CI) (CA INDEX NAME)



RN 162042-79-7 HCPLUS

CN Azetidine, 1-(2,4-dimethoxybenzoyl)-3-(2,3,4,5-tetrahydro-2-oxo-1H-1-benzazepin-1-yl)-(9CI) (CA INDEX NAME)

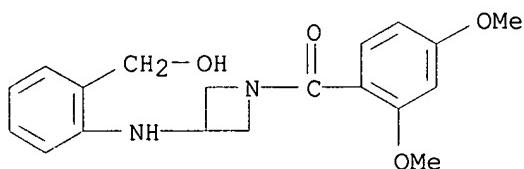


IT 162045-63-8P 162045-66-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(benzoxazinone and benzopyrimidinone piperidinyl tocolytic oxytocin receptor antagonists)

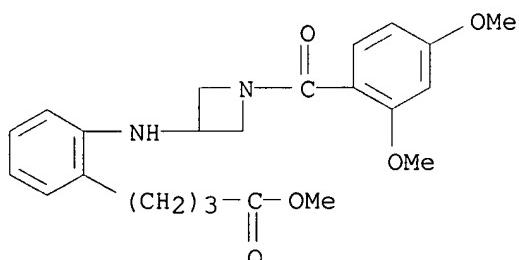
RN 162045-63-8 HCAPLUS

CN 3-Azetidinamine, 1-(2,4-dimethoxybenzoyl)-N-[2-(hydroxymethyl)phenyl]-(9CI) (CA INDEX NAME)



RN 162045-66-1 HCAPLUS

CN Benzenebutanoic acid, 2-[[1-(2,4-dimethoxybenzoyl)-3-azetidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 17 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:44917 HCAPLUS

DOCUMENT NUMBER: 122:56244

TITLE: Topliss approach to the synthesis of biologically active substituted N-benzoyl taxol analogs

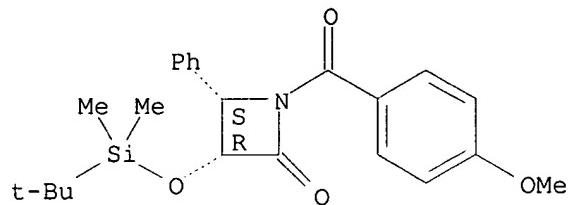
AUTHOR(S): Georg, Gunda I.; Boge, Thomas C.; Cheruvallath, Zacharia S.; Harriman, Geraldine C. B.; Hepperle, Michael; Park, Haeil; Himes, Richard H.

CORPORATE SOURCE: Dep. Med. Chem., Univ. Kansas, Lawrence, KS, 66045, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (1994), 4 (15), 1825-30

CODEN: BMCLE8; ISSN: 0960-894X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 160058-87-7P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and reaction with triethylsilylbaccatin III in synthesis of taxol analogs)  
 RN 160058-87-7 HCAPLUS  
 CN 2-Azetidinone, 3-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-1-(4-methoxybenzoyl)-4-phenyl-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 18 OF 23 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1993:539574 HCAPLUS  
 DOCUMENT NUMBER: 119:139574  
 TITLE: Preparation of substituted isoserine esters using metal alkoxides and (beta)-lactams  
 INVENTOR(S): Holton, Robert A.  
 PATENT ASSIGNEE(S): Florida State University, USA  
 SOURCE: PCT Int. Appl., 82 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 28  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9306079	A1	19930401	WO 1992-US7990	19920922
W: AU, CA, CS, FI, HU, JP, KP, KR, NO, PL, RU RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
CA 2221190	AA	19920902	CA 1992-2221190	19920902
CA 2221190	C	20020212		
ZA 9206827	A	19930315	ZA 1992-6827	19920908
ZA 9206828	A	19930315	ZA 1992-6828	19920908
ZA 9206829	A	19930315	ZA 1992-6829	19920908
ZA 9207038	A	19930514	ZA 1992-7038	19920915
ZA 9207039	A	19931220	ZA 1992-7039	19920915
CA 2254273	AA	19920922	CA 1992-2254273	19920922
CA 2254273	C	20030325		
CA 2098478	AA	19930324	CA 1992-2098478	19920922
CA 2098478	C	19990914		
AU 9226890	A1	19930427	AU 1992-26890	19920922
AU 647971	B2	19940331		
EP 605637	A1	19940713	EP 1992-921316	19920922
EP 605637	B1	19990324		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, SE				
JP 07502983	T2	19950330	JP 1993-506299	19920922

JP 3469237	B2	20031125		
HU 71795	A2	19960228	HU 1994-830	19920922
EP 884314	A2	19981216	EP 1998-114788	19920922
EP 884314	A3	20020502		
EP 884314	B1	20040121		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, IE				
RU 2128654	C1	19990410	RU 1994-44324	19920922
AT 178060	E	19990415	AT 1992-921316	19920922
ES 2132129	T3	19990816	ES 1992-921316	19920922
CZ 287417	B6	20001115	CZ 1994-660	19920922
CZ 287609	B6	20010117	CZ 1994-661	19920922
EP 1193252	A2	20020403	EP 2002-688	19920922
EP 1193252	A3	20031105		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, IE				
AT 258171	E	20040215	AT 1998-114788	19920922
ES 2214665	T3	20040916	ES 1998-114788	19920922
AU 9339838	A1	19930819	AU 1993-39838	19930527
AU 642392	B3	19931014		
FI 9401325	A	19940504	FI 1994-1325	19940322
FI 113046	B1	20040227		
NO 9401022	A	19940520	NO 1994-1022	19940322
NO 306209	B1	19991004		
TW 396159	B	20000701	TW 1994-83103422	19940418
US 5539103	A	19960723	US 1994-351532	19941207
US 5723634	A	19980303	US 1995-483309	19950607
US 6066747	A	20000523	US 1995-522307	19951030
US 6069260	A	20000530	US 1997-941640	19970930
US 6479678	B1	20021112	US 2000-517791	20000302
US 2001014746	A1	20010816	US 2001-804821	20010313
US 6562962	B2	20030513		
US 2003027855	A1	20030206	US 2002-208418	20020730
US 6710191	B2	20040323		
US 2003120096	A1	20030626	US 2002-289103	20021106
US 6683196	B2	20040127		
JP 2004043439	A2	20040212	JP 2003-128200	20030506
US 2004073048	A1	20040415	US 2003-673897	20030929
PRIORITY APPLN. INFO.:				
		US 1991-763805	A	19910923
		US 1992-862955	A	19920403
		US 1992-863840	A	19920406
		US 1992-863451	A	19920403
		US 1992-863849	A	19920406
		US 1992-900408	A	19920618
		CA 1992-2077394	A3	19920902
		CA 1992-2098478	A3	19920922
		CS 1994-660	A	19920922
		CS 1994-661	A	19920922
		EP 1992-921316	A3	19920922
		EP 1998-114788	A3	19920922
		JP 1993-506299	A3	19920922
		US 1992-949107	B3	19920922
		WO 1992-US7990	A	19920922
		US 1992-967998	B1	19921026
		WO 1994-US2382	W	19940304
		US 1994-263270	B1	19940621
		US 1994-314532	A1	19940928
		US 1994-351532	A3	19941207
		US 1995-483309	A3	19950607
		US 1996-607108	A1	19960226
		US 1997-941640	A1	19970930
		US 2000-517791	A1	20000302

US 2000-566970	A1 20000509
US 2002-194343	A1 20020712
US 2002-289103	A1 20021106

OTHER SOURCE(S): MARPAT 119:139574

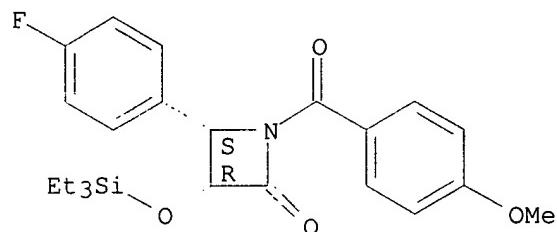
IT 149197-26-2P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (sequential lithiation and esterification by azetidinone derivative of  
 baccatin III derivative in preparation of taxol-related compound)

RN 149197-26-2 HCPLUS

CN 2-Azetidinone, 4-(4-fluorophenyl)-1-(4-methoxybenzoyl)-3-[  
 [(triethylsilyl)oxy]-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 19 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1993:449694 HCPLUS

DOCUMENT NUMBER: 119:49694

TITLE: Preparation of substituted taxanes as antitumor agents

INVENTOR(S): Holton, Robert A.; Nadizadeh, Hossain; Beidiger,  
 Ronald J.; Kim, Seokchan

PATENT ASSIGNEE(S): Florida State University, USA

SOURCE: Eur. Pat. Appl., 43 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 28

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 534709	A1	19930331	EP 1992-308609	19920922
EP 534709	B1	20030115		
R: AT, BE, CH, US 5250683	DE, DK, ES, FR, A	19931005	GB, GR, IE, IT, LI, LU, MC, NL, PT, SE US 1992-863451	19920403
CA 2221190	AA	19920902	CA 1992-2221190	19920902
CA 2221190	C	20020212		
CA 2077394	AA	19930324	CA 1992-2077394	19920902
CA 2077394	C	19990406		
AU 9222124	A1	19930325	AU 1992-22124	19920904
AU 655493	B2	19941222		
ZA 9206827	A	19930315	ZA 1992-6827	19920908
ZA 9206828	A	19930315	ZA 1992-6828	19920908
ZA 9206829	A	19930315	ZA 1992-6829	19920908
ZA 9207038	A	19930514	ZA 1992-7038	19920915
ZA 9207039	A	19931220	ZA 1992-7039	19920915
FI 113173	B1	20040315	FI 1992-4228	19920921
CA 2254273	AA	19920922	CA 1992-2254273	19920922
CA 2254273	C	20030325		
NO 9203679	A	19930324	NO 1992-3679	19920922

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NO 305205	B1	19990419		
HU 63155	A2	19930728	HU 1992-3024	19920922
HU 215110	B	19981228		
JP 06199824	A2	19940719	JP 1992-276765	19920922
JP 3182231	B2	20010703		
EP 884314	A2	19981216	EP 1998-114788	19920922
EP 884314	A3	20020502		
EP 884314	B1	20040121		
R: AT, BE, CH, DE, DK, ES, FR,	GB, GR, IT, LI, LU, NL, SE, MC, IE			
CZ 287417	B6	20001115	CZ 1994-660	19920922
CZ 287609	B6	20010117	CZ 1994-661	19920922
EP 1193252	A2	20020403	EP 2002-688	19920922
EP 1193252	A3	20031105		
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AT 231139	E	20030215	AT 1992-308609	19920922
ES 2191005	T3	20030901	ES 1992-308609	19920922
TW 396159	B	20000701	TW 1994-83103422	19940418
US 5539103	A	19960723	US 1994-351532	19941207
US 5723634	A	19980303	US 1995-483309	19950607
US 6066747	A	20000523	US 1995-522307	19951030
US 6069260	A	20000530	US 1997-941640	19970930
US 6479678	B1	20021112	US 2000-517791	20000302
US 2001014746	A1	20010816	US 2001-804821	20010313
US 6562962	B2	20030513		
US 2003027855	A1	20030206	US 2002-208418	20020730
US 6710191	B2	20040323		
US 2003120096	A1	20030626	US 2002-289103	20021106
US 6683196	B2	20040127		
JP 2004043439	A2	20040212	JP 2003-128200	20030506
US 2004073048	A1	20040415	US 2003-673897	20030929
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		US 1991-763805	A 19910923	
		US 1992-863451	A 19920403	
		US 1992-862955	A 19920403	
		US 1992-863840	A 19920406	
		US 1992-863849	A 19920406	
		US 1992-900408	A 19920618	
		CA 1992-2077394	A3 19920902	
		CA 1992-2098478	A3 19920922	
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		EP 1992-921316	A3 19920922	
		EP 1998-114788	A3 19920922	
		JP 1993-506299	A3 19920922	
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		WO 1994-US2382	W 19940304	
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		US 1994-314532	A1 19940928	
		US 1994-351532	A3 19941207	
		US 1995-483309	A3 19950607	
		US 1996-607108	A1 19960226	
		US 1997-941640	A1 19970930	
		US 2000-517791	A1 20000302	
		US 2000-566970	A1 20000509	
		US 2002-194343	A1 20020712	
		US 2002-289103	A1 20021106	

OTHER SOURCE(S): MARPAT 119:49694

IT 148548-73-6 148549-01-3 148549-09-1

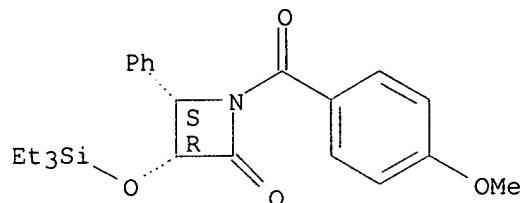
RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with lithiated (triethylsilyl)baccatin III, in preparation of

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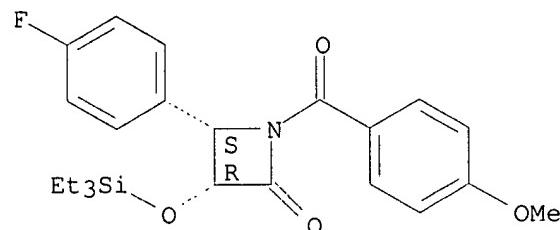
neoplasm inhibitor)  
RN 148548-73-6 HCPLUS  
CN 2-Azetidinone, 1-(4-methoxybenzoyl)-4-phenyl-3-[(triethylsilyl)oxy]-,  
(3R-cis) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



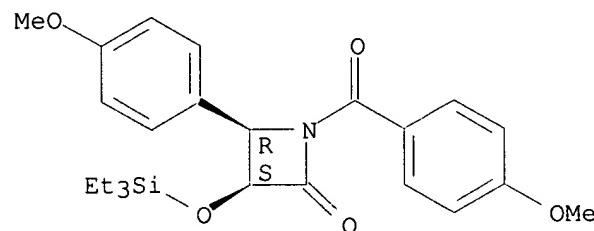
RN 148549-01-3 HCPLUS  
CN 2-Azetidinone, 4-(4-fluorophenyl)-1-(4-methoxybenzoyl)-3-  
[(triethylsilyl)oxy]-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



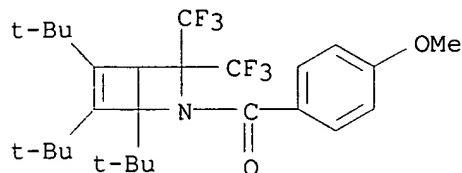
RN 148549-09-1 HCPLUS  
CN 2-Azetidinone, 1-(4-methoxybenzoyl)-4-(4-methoxyphenyl)-3-  
[(triethylsilyl)oxy]-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

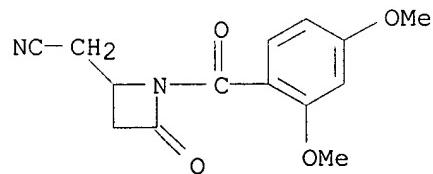


L4 ANSWER 20 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1989:7966 HCPLUS  
DOCUMENT NUMBER: 110:7966  
TITLE: Antiaromatic compounds. 23. Cycloadditions of  
N-acylimines to cyclobutadienes  
AUTHOR(S): Michels, Gisbert; Regitz, Manfred; Hermesdorf,  
Michael; Schneider, Juergen  
CORPORATE SOURCE: Fachber. Chem., Univ. Kaiserslautern, Kaiserslautern,  
D-6750, Fed. Rep. Ger.  
SOURCE: Chemische Berichte (1988), 121(10), 1775-83  
CODEN: CHBEAM; ISSN: 0009-2940

DOCUMENT TYPE: Journal  
LANGUAGE: German  
OTHER SOURCE(S): CASREACT 110:7966  
IT 114692-75-0P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 114692-75-0 HCPLUS  
CN 2-Azabicyclo[2.2.0]hex-5-ene, 1,5,6-tris(1,1-dimethylethyl)-2-(4-methoxybenzoyl)-3,3-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



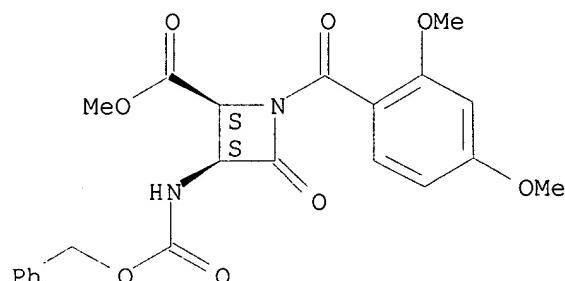
L4 ANSWER 21 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1986:514779 HCPLUS  
DOCUMENT NUMBER: 105:114779  
TITLE: Simple and condensed  $\beta$ -lactams. II. The synthesis of new diethyl 4-oxoazetidine-2,2-dicarboxylates and some manipulations of their functional groups and N-substituents  
AUTHOR(S): Simig, Gyula; Fetter, Jozsef; Hornyak, Gyula; Zauer, Karoly; Doleschall, Gabor; Lempert, Karoly; Nyitrai, Jozsef; Gombos, Zsuzsa; Gizur, Tibor; et al.  
CORPORATE SOURCE: Res. Group Alkaloid Chem., Hung. Acad. Sci., Budapest, H-1521, Hung.  
SOURCE: Acta Chimica Hungarica (1985), 119(1), 17-32  
CODEN: ACHUDC; ISSN: 0231-3146  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 103864-98-8P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 103864-98-8 HCPLUS  
CN 2-Azetidineacetonitrile, 1-(2,4-dimethoxybenzoyl)-4-oxo- (9CI) (CA INDEX NAME)



L4 ANSWER 22 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1984:610814 HCPLUS  
DOCUMENT NUMBER: 101:210814  
TITLE: Chemical modification of sulfazecin. Synthesis of 4-methoxycarbonyl-2-azetidinone-1-sulfonic acid derivatives  
AUTHOR(S): Kishimoto, Shoji; Sendai, Michiyuki; Tomimoto,

Mitsumi; Hashiguchi, Shohei; Matsuo, Taisuke; Ochiai, Michihiko  
CORPORATE SOURCE: Cent. Res. Div., Takeda Chem. Ind., Ltd., Osaka, 532, Japan  
SOURCE: Chemical & Pharmaceutical Bulletin (1984), 32(7), 2646-59  
DOCUMENT TYPE: CODEN: CPBTAL; ISSN: 0009-2363  
Journal  
LANGUAGE: English  
IT 92973-54-1P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 92973-54-1 HCPLUS  
CN 2-Azetidinecarboxylic acid, 1-(2,4-dimethoxybenzoyl)-4-oxo-3-  
[[ (phenylmethoxy)carbonyl]amino]-, methyl ester, cis- (9CI) (CA INDEX  
NAME)

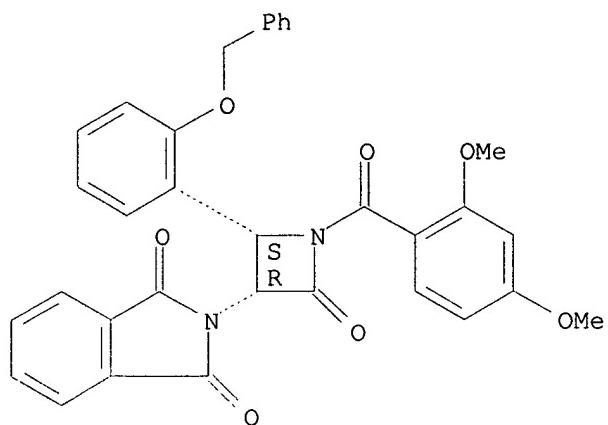
Relative stereochemistry.



L4 ANSWER 23 OF 23 HCPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1980:425983 HCPLUS  
DOCUMENT NUMBER: 93:25983  
TITLE: Studies on the synthesis of chemotherapeutics. VIII.  
Stereoselective synthesis of 1,9b-dihydro-2H,4H-2-oxo-  
azeto[1,2-c][1,3]benzoxazine-4-carboxylic acid  
derivatives. (Studies on the syntheses of  
heterocyclic compounds. DCCCXIII)  
AUTHOR(S): Kametani, Tetsuji; Kigasawa, Kazuo; Hiramatsu, Mineharu;  
Wakisaka, Kikuo; Sugi, Hideo; Tanigawa, Keizo  
CORPORATE SOURCE: Pharm. Inst., Tohoku Univ., Sendai, Japan  
SOURCE: Yakugaku Zasshi (1979), 99(11), 1132-40  
DOCUMENT TYPE: CODEN: YKKZAJ; ISSN: 0031-6903  
Journal  
LANGUAGE: Japanese  
OTHER SOURCE(S): CASREACT 93:25983  
IT 73902-73-5P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 73902-73-5 HCPLUS  
CN 2-Azetidinone, 3-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)-1-(2,4-  
dimethoxybenzoyl)-4-[2-(phenylmethoxy)phenyl]-, cis- (9CI) (CA INDEX  
NAME)

Relative stereochemistry.

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FULL ESTIMATED COST	71.48	238.63

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